IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An information processing apparatus for converting a content data of a standard resolution signal to~~processing content data to generate~~ a high definition signal ~~from a broadcast signal~~ based on user input, comprising:

processing means for processing the content data for increasing a resolution of the content data based on prediction taps and prediction coefficients;

acquisition means for acquiring first information generated based on an input of the user for controlling the processing means;

generation means for generating second information obtained by weighting the first information with a first weight and a second weight,

wherein the first information ~~and second information indicate~~ indicates a spatial resolution and a temporal resolution of the content data,

wherein when an automatic command/data is input by the user, the processing means processes the content data on the basis of the second information generated by the generation means, ~~and the generation means generates the second information by performing the weighting such that a greatest weight is applied to the median of the first information,~~

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wherein the processing means calculates the prediction coefficients using the first information or the second information and generates pixel data of the high definition signal using the prediction coefficients,

wherein the value of the first weight is cumulative and is updated by adding the second weight to the first weight each time the second weight is generated, and

wherein the value of the second weight is determined according to the user's input operation.

2. (Previously Presented) An information processing apparatus according to claim 1, further comprising:

input means for receiving a command/data issued by a user,

wherein the acquisition means acquires, as the first information, an adjustment value input by the user via the input means, and

wherein when the automatic adjustment command is not issued by the user via the input means, and when the adjustment value is input by the user via the input means, the processing means processes the content data on the basis of the first information acquired by the acquisition means.

3. (Canceled)

4. (Previously Presented) An information processing apparatus according to claim 1, further comprising:

input means operated by a user to input the control command/data; and

control command/data input detection means for detecting a status of control command/data,

wherein the control command/data input detection means is control operation time measurement means for measuring a time spent in the inputting of the control command/data; and the generation means increases the value of the second weight with increasing time spent inputting the control command/data.

5. (Canceled)

6. (Original) An information processing apparatus according to claim 1, further comprising:

feature detection means for detecting features of the content data,

wherein the generation means generates second information for each feature detected by the feature detection means for the content data; and

the processing means processes the content data using the second information corresponding to a feature of the content data detected by the feature detection means.

7. (Original) An information processing apparatus according to claim 6, wherein the feature detection means detects, as a feature of the content data, the variance of image levels.

8. (Original) An information processing apparatus according to claim 6, wherein the feature detection means detects, as a feature of the content data, the mean image level.

9. (Previously Presented) An information processing apparatus according to claim 1, further comprising:

environmental information detection means for detecting environmental information associated with an environmental condition,

wherein the generation means generates second information for each piece of environmental information detected by the environmental information detection means, and the processing means processes the content data using second information corresponding to the environmental information detected by the environmental information detection means.

10. (Original) An information processing apparatus according to claim 9, wherein the environmental information detection means detects, as the environmental information, the temperature in the ambient.

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11. (Original) An information processing apparatus according to claim 9, wherein the environmental information detection means detects, as the environmental information, the humidity in the ambient.

12. (Original) An information processing apparatus according to claim 9, wherein the environmental information detection means detects, as the environmental information, the brightness of a light in the ambient.

13. (Previously Presented) An information processing apparatus according to claim 1, further comprising:

information extraction means for extracting information associated with the content data,

wherein the generation means generates second information for each piece of information extracted by the information extraction means, and the processing means processes the content data using second information corresponding to the information extracted by the information extraction means.

14. (Original) An information processing apparatus according to claim 1, further comprising storage means for storing the second information generated by the generation means.

15. (Original) An information processing apparatus according to claim 14, wherein the storage means is formed such that it can be removed from the information processing apparatus.

16. (Currently Amended) An information processing method for converting a content data of a standard resolution signal to~~processing content data to generate~~ a high definition signal ~~from a broadcast signal~~ comprising the steps of:

processing the content data for increasing a resolution of the content data based on prediction taps and prediction coefficients;

acquiring first information generated according to an input of a user for controlling the processing step;

generating second information obtained by weighting the first information acquired in the acquisition step with a first weight and a second weight,

wherein the first information ~~and second information indicate~~ indicates a spatial resolution and a temporal resolution of the content data,

wherein the value of the first weight is cumulative and is updated by adding the second weight to the first weight each time the second weight is generated,

wherein the value of the second weight is determined according to the user's input operation, and

wherein when an automatic adjustment command is input by the user, the content data is processed on the basis of the second information generated in the generation step;

detecting a status of control command/data,

~~wherein the generation step generates the second information by performing the weighting such that a greatest weight is applied to the median of the first information;~~

measuring a time spent inputting of the control command/data;

increasing the second weight with increasing time spent inputting the control command/data; and

calculating the prediction coefficients using the first information and the second information and generating pixel data of the high definition signal using the prediction coefficients..

17. (Currently Amended) A computer-readable storage medium including instructions which cause a computer to process content data to convert a content data of a standard resolution signal to ~~to generate~~ a high definition signal ~~from a broadcast signal~~ according to the following steps:

processing the content data for increasing a resolution of the content data based on prediction taps and prediction coefficients;

acquiring first information generated based on an input of a user for controlling the processing step;

generating second information obtained by weighting the first information with a first weight and a second weight,

wherein the first information ~~and second information indicate~~ indicates a spatial resolution and a temporal resolution of the content data,

wherein the value of the first weight is cumulative and is updated by adding the second weight to the first weight each time the second weight is generated,

wherein the value of the second weight is determined according to the user's input operation, and

wherein when an automatic adjustment command is input by the user, the content data is processed on the basis of the second information generated in the generation step;

detecting a status of control command/data,

~~wherein the generation step generates the second information by performing the weighting such that a greatest weight is applied to the median of the first information;~~

measuring a time spent inputting the control command/data;

increasing the second weight with increasing time spent inputting the control command/data; and

calculating the prediction coefficients using the first information or the second information and generating pixel data of the high definition signal using the prediction coefficients..

18. (Currently Amended) A system for converting a content data of a standard resolution signal to ~~processing content data to generate~~ a high definition signal ~~from a broadcast signal~~ comprising:

at least one memory, coupled to at least one processor,

the processor adapted to execute program code of a program comprising the steps of:

processing content data for increasing a resolution of the content data based on prediction taps and prediction coefficients;

acquiring first information generated based on an input of a user for controlling the processing step;

generating second information obtained by weighting the first information with a first weight and a second weight,

wherein the first information ~~and second information indicate~~ indicates a spatial resolution and a temporal resolution of the content data,

wherein the value of the first weight is cumulative and is updated by adding the second weight to the first weight each time the second weight is generated,

wherein the value of the second weight is determined according to the user's input operation.

wherein when an automatic adjustment command is input by the user, the content data is processed on the basis of the second information generated in the generation step;

detecting a status of control command/data,

~~wherein the generation step generates the second information by performing the weighting such that a greatest weight is applied to the median of the first information;~~

measuring a time spent inputting the control command/data;

increasing the second weight with increasing time spent inputting the control command/data; and

calculating the prediction coefficients using the first information or the second information and generating pixel data of the high definition signal using the prediction coefficients..

19-32. (Canceled)

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